Certificate of Conformity

Certification Body:

CMI CERTIFICATION
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Certificate Holder:

cbma smarter building solutions

Compliant Building Materials Australasia Pty Ltd
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Certificate number: CM40448

THIS IS TO CERTIFY THAT

Eboard™ Fire Rated Boundary Wall

Type and/or use of product:

Fire Rated Boundary Wall System. Eboard™ is a lightweight external wall cladding that achieves an FRL 60/60/60.

Description of product:

Eboard™ Fire Rated Boundary Wall incorporates a Magnesium Sulphate Panel and proprietary components outlined in A2.

COMPLIES WITH THE FOLLOWING BCA PROVISIONS AND STATE OR TERRITORY VARIATION(S) **BCA 2022 (Amdt. 1)**

	Volume One		Volume Two	
Performance Requirement(s):	B1P1(1), (2)(a), (b) &(c)	Structural stability and resistance	H1P1(1), (2)(a), (b) &(c)	Structural stability and resistance
	F3P1	Weatherproofing – Subject to *limitation and condition 2*	H2P2	Weatherproofing – Subject to *limitation and condition 2*
			H2P3	Rising damp – Subject to *limitation and condition 6*
Deemed-to-Satisfy Provision(s):	C2D2	Construction of external wall – FRL 60/60/60. Refer to *limitation and condition 6.*	H3D3	Construction of external wall – FRL 60/60/60. Refer to *limitation and condition 6.*
	C2D10	Non-combustible materials – Limited to the Eboard™ panel. Refer to *limitation and condition 7.*	H3D2	Non-combustible materials – Limited to the Eboard™ panel. Refer to *limitation and condition 7.*
	G5D3	Construction in bushfire prone areas – BAL FZ subject to *limitation and condition 10, 11 & 12.*	H7D4(2)(a)	Construction in bushfire prone areas – BAL FZ subject to *limitation and condition 10, 11 & 12.*
State or territory variation(s):	G5D3 NSW		H7D4 NSW, QLD & SA	

SUBJECT TO THE FOLLOWING LIMITATIONS AND CONDITIONS AND THE PRODUCT TECHNICAL DATA IN APPENDIX A AND EVALUATION STATEMENTS IN APPENDIX B

Limitations and conditions:

1. Installation of the Eboard™ Fire Rated Boundary Wall must be in accordance with the Eboard™ Fire Rated Boundary Wall Installation Guide Version 2.0.
2. To satisfy F3P1 or H2P2 via verification, the relevant design is required to meet the criteria of F3V1 and/or V2.2.1 to the satisfaction of the Appropriate Authority as defined by the NCC. The site specific building must;
   a. have a risk score of 20 or less, when the sum of all risk factor scores are determined in accordance with Table F3V1a/H2V1a; and

Building classification/s:

Class 1,2,3,4,5,6,7,8,9 & 10

Glen Gugliotti – CMI

Don Grehan – Unrestricted Building Certifier

Date of issue: 27/06/2025

Date of expiry: 27/06/2028

b. is not subjected to an ultimate limit state wind pressure of more than 2.5kPa; and
c. include only windows that comply with AS 2047

3. B1P2(c) & H1P1(2)(c) Wind Actions are limited to N1 and N2 only and excludes resistance to impact loading from windborne debris.
4. The structural certification is limited to the cladding only and does not include the sub-structure. The structural support members are to be designed and engineered separately as per project requirements by building designers and engineers. The Eboard™ panels are not to be used as a structural fixing point. All fixings for a non-combustible cladding including battens that are to be installed over the Eboard™ are fixed through the Eboard™ panels and into the frames that are designed and engineered separately as per project requirements.
5. Reference to non-combustibility applies solely to the Eboard™ product. Non-combustibility of any attachments or finishes applied to this product are outside the scope of this certification.
6. In all installations, the minimum clearance between the underside of panel and the adjoining surface level below must comply with the specifications in Part 7.5.7 of the ABCB Housing Provisions.
7. Compliance with the FRL is limited to the systems outlined in A3 of this Certificate of Conformity and constructed in accordance with the Eboard™ Fire Rated Boundary Wall Installation Guide Version 2.0. Any deviation from this is outside the scope of this certification.
8. A pliable building membrane complying with AS 4200.1:2017 must be installed in accordance with AS 4200.2:2017 to separate the wall cladding panels from any water sensitive materials as per the requirements of Part 10.8.1 of the ABCB Housing Provisions.
9. When used in areas within 1km of a coastal areas or subject to high salt spray or in a corrosivity zone as per AS4312:2019, stainless steel fixings are required and additional coatings or protection may also be required. Eboard™ is not suitable for C5 zones
10. In order to maintain compliance with BAL, it is the responsibility of the Building Designer to ensure compliance is achieved in accordance with AS 3959:2018. Compliance with BAL should be reviewed with the respective BAL requirements of AS 3959 by Building Designers & Authorities having jurisdiction as each building may require specific design or construction requirements outside of the specific wall material.
11. Compliance with BAL-FZ is limited to the requirements of Section 9.1 of AS 3959:2018 and requires a minimum distance of 10m from the edge of any classified vegetation. This product is not suitable to be installed where the 10m setback distance between the building and the edge of the classified vegetation cannot be achieved.
12. In order to comply with the NSW provisions of G5D3, a site-specific performance solution is to be prepared in line with the Planning for Bush Fire Protection 2019 guidance document.
13. Other than the items and information listed, the remainder of the information contained in the product's literature is outside the scope of this certification.
14. The use of the certified product/system is subject to these Limitations and Conditions and must be read in conjunction with the Scope of Certification below.

Scope of certification: The CodeMark Scheme is a building product certification scheme. The rules of the Scheme are available at the ABCB website www.abcb.gov.au. This Certificate of Conformity is to confirm that the relevant requirements of the Building Code of Australia (BCA) as claimed against have been met. The responsibility for the product performance and its fitness for the intended use remain with the Certificate Holder. The certification is not transferrable to a manufacturer not listed on Appendix A of this certificate.

Only criteria as identified within this Certificate of Conformity can be used for CodeMark certification claims. Where other claims are made in a client's Installation Manual, Website or other documents that are outside the criteria on this Certificate of Conformity, such criteria cannot be used or claimed to meet the requirements of this CodeMark certification.

The NCC defines a Performance Solution as one that complies with the Performance Requirements by means other than a Deemed-to-Satisfy Solution. A Building Solution that relies on a CodeMark Certificate of Conformity that certifies a product against the Performance Requirements cannot be considered as Deemed-to-Satisfy Solution.

Certificate of Conformity

This Certificate of Conformity may only relate to a part of a Performance Solution. In these circumstances other evidence of suitability is needed to demonstrate that the relevant Performance Requirements have been met. The relevant provisions of the Governing Requirements in Part A of the NCC will also need to be satisfied.

This Certificate of Conformity is issued based on the evidence of compliance as detailed herein. Any deviation from the specifications contained in this Certificate of Conformity is outside of this document's scope and the installation of the certified product will not be covered by this Certificate of Conformity.

Disclaimer: The Scheme Owner, Scheme Administrator and Scheme Accreditation Body do not make any representations, warranties or guarantees, and accept no legal liability whatsoever arising from or connected to, the accuracy, reliability, currency or completeness of any material contained within this certificate; and the Scheme Owner, Scheme Administrator and Scheme Accreditation Body disclaim to the extent permitted by law, all liability (including negligence) for claims of losses, expenses, damages and costs arising as a result of the use of the product(s) referred to in this certificate.

When using the CodeMark logo in relation to or on the product/system, the Certificate Holder makes a declaration of compliance with the Scope of Certification and confirms that the product is identical to the product certified herein. In issuing this Certificate of Conformity, CMI Certification Pty Ltd (CMI) has relied on the experience and expertise of external bodies (laboratories and technical experts).

Nothing in this document should be construed as a warranty or guarantee by CMI, and the only applicable warranties will be those provided by the Certificate Holder.

APPENDIX A – PRODUCT TECHNICAL DATA

A1 Type and intended use of product

As per page 1.

A2 Description of product

Eboard™ Fire Rated Boundary Wall System incorporates the following components.

Panel

Eboard™ Magnesium Sulphate Panel. Available in the following sizes fixed to timber (min.70x45mm depth) framing at max. 450mm maximum stud spacing.

Code	Size (Coverage)	m2 per sheet	Weight per m2
EB271210SQ	2700(w) x 1200 (h) x 10mm (d)	3.24m2	9.0 kg
EB301210SQ	3000(w) x 1200 (h) x 10mm (d)	3.60m2	9.0 kg
EB361210SQ	3600(w) x 1200 (h) x 10mm (d)	4.32m2	9.0 kg
EB270910SQ	2700(w) x 900 (h) x 10mm (d)	2.43m2	9.0 kg
EB300910SQ	3000(w) x 900 (h) x 10mm (d)	2.70m2	9.0 kg
EB360910SQ	3600(w) x 900 (h) x 10mm (d)	3.24m2	9.0 kg
EB271210SQPP	2700(w) x 1200 (h) x 10mm (d) paper coated	3.24m2	9.0 kg

Fire Rated Sealant

Firesealant600, fire rated sealant in all joints and edges.

Cavity Battens

Battens can be either timber or metal battens. Battens are to be fixed to the frames at a maximum of 800mm spacings for 20mm timber battens and a maximum of 1300mm for metal battens and 35mm thick timber battens. 20mm timber battens are to be on stud only. All battens are to be maximum of 450mm spaced.

Internal Lining

Either 10mm plasterboard (6.2kg/m^2) or 13mm plasterboard (8.2kg/m^2). Refer Section 4 of the Eboard™ Fire Rated Boundary Wall Installation Guide Version 2.0.

Fixings

All fixings are to be a minimum of class 3 Galvanised fixings in general corrosion zones. Higher grade such as Stainless steel maybe required in high corrosiveness zones or high risk areas. This is to be determined by others. Only The stated screws or fixings are to be used for fixing Eboard™. All fixings are to be 200mm spacings along all studs/battens. All fixings are to be no less than 15mm from any Eboard™ panel edge. Where Eboard™ backing boards are used at joints, all screws are to be no more than 200mm spacings.

Fixing Type	Purpose	Spacing	Code
2.5 x 50mm Nails	Fixing to frame / back block	200mm	840CSKGALVTIMBER
8G x 40mm CSK Timber Screw	Fixing to frame / back block	200mm	ZB2550CL3
8G x 25mm CSK Timber Screw	Fixing Backing board (10mm)	200mm	8Gx25CL3

Insulation

R2.0 or R2.5 Fibreglass Batts insulation in the framing cavity complying with AS/NZS 4859.1:2018

Builders Wrap

Approved wall wrap complying with AS 4200.1:2017.

A3 Product specification

Structure

Eboard™ can be installed onto timber framing and must be designed in accordance with AS1684 – 'Residential timber-framed construction' the NCC, and all relevant standards and manufactured specifications. The external wall is to be designed and constructed in accordance with all NCC regulations with minimum stud dimensions of 70mm (depth) x 45mm (width) with maximum of 450mm stud spacings.

Load bearing walls will be designed to meet all relevant standards and regulations for applied loads and wind pressures for AS4055 Wind Classifications N1, N2 or ultimate limit state wind pressure does not exceed 2.53kPa and serviceability limit state wind pressures do not exceed +0.55kPa and -0.83kPa

Source: *DDEG (Solutions); Project No: 213369-S; CBMA - Eboard Product Evaluation dated 16/04/2025.*

Rising Damp

The Eboard™ Fire Rated Boundary Wall System will comply with Performance H2P3 provided that the cladding has been installed in accordance with the ABCB Housing Provision Part 7.5.7 and the Eboard™ Fire Rated Boundary Wall Installation Guide Version 2.0. It is the responsibility of the building designer to ensure that any additional local regulations are met prior to the installation of the Eboard™ Fire Rated Boundary Wall System to the satisfaction of the appropriate authority as defined by the NCC.

Source: *DDEG (Solutions); Project No: 213369-S; CBMA - Eboard Product Evaluation dated 16/04/2025.*

Weatherproofing

Testing conducted on the Eboard™ Fire Rated Boundary Wall System has been assessed by DDEG (Solutions) against the current NCC Verification Methods F3V1 (Volume 1) and H2V1 (Volume 2).

Eboard satisfies Performance Requirement F3P1 where the façade ULS and SLS wind pressures do not exceed -2.11 and +550/-830 Pa respectively. In the event that a cavity cladding design is required, the installed membrane behind the cladding must be rated to withstand the applicable wind pressures and withstand both serviceability and ultimate load conditions.

Eboard satisfies Performance Requirement H2P2 where the cladding wind pressures do not exceed Ultimate State Limit Pressure is -2.53 kPa with a Serviceability Limit State is +0.550 kPa / -0.830 kPa.

Source: *DDEG (Solutions) Project No. 209662-S, Product Evaluation, 16/04/2025 and Ian Bennie and Associates Report No. 2018-047-S4 dated 16/05/2019 and Report No. 2018-047-S6 dated 29/06/2019.*

Fire Resistance Levels

The Eboard™ Fire Rated Boundary Wall System has been tested and assessed in accordance with AS 1530.4:2014 and demonstrated to achieve a FRL of at least **60/60/60** when exposed to fire from the external side. The FRL system components must be Eboard™ Fire Rated Boundary Wall System must be installed as detailed in and the **Technical Drawings Section** as outlined in the Eboard™ Fire Rated Boundary Wall Installation Guide Version 2.0, to achieve an FRL of 60/60/60.

System	FRL	Timber Stud (minimum)	Requirements	Insulation	Total Wall Thickness (excluding Battens if require)
EB704513	60/60/60	70x45mm	Exposed Wall: 10mm Eboard™ Panel Internal Lining: 13mm Plasterboard (8.2kg/m^2)	R2.0 Fibreglass Batts	93mm
EB904510	60/60/60	90x45mm	Exposed Wall: 10mm Eboard™ Panel Internal Lining: 10mm Plasterboard (6.2kg/m^2)	R2.5 Fibreglass Batts	110mm
EB70451008	60/60/60	70x45mm	Exposed Wall: 10mm Eboard™ Panel and Stonewood® Panel or 8mm(min) Fibre Cement cladding. Internal Lining: 13mm Plasterboard (8.2kg/m^2)	R2.0 Fibreglass Batts	98mm
EB90451008	60/60/60	90x45mm	Exposed Wall: 10mm Eboard™ Panel and Stonewood® Panel or 8mm(min) Fibre Cement cladding. Internal Lining: 10mm Plasterboard (6.2kg/m^2)	R2.5 Fibreglass Batts	118mm

Source: *Resolute Testing Laboratories Pty Ltd Assessment Report – Fire: Eboard boundary wall system in accordance with AS 1530.4:2014; Dated 29/01/2025 and Warringtonfire Australia Pty Ltd Report No. FRT240242 R1.0; Fire resistance test of a loadbearing wall system in accordance with sections 2 and 3 of AS 1530.4:2014; Dated 15/10/2024.*

Non-Combustibility	The Eboard™ Magnesium Sulphate Panel has been tested in accordance with AS 1530.1:1994 and the material is NOT deemed combustible – Limited to the Eboard™ Magnesium Sulphate Panel only. ***Source:*** *Ignis Labs Pty Ltd, Testing in accordance with AS1530.1:1994 dated 06/08/2024.*
Bushfire Attack Level	The Eboard™ Fire Rated Boundary Wall System has been tested and assessed in accordance with AS 1530.4:2014 and demonstrated to achieve a FRL of at least 60/60/60 when exposed to fire from the external side. This level of fire performance exceeds the minimum requirement specified in Clause 9.4.1(c) of AS 3959:2018, which requires boundary walls to achieve a minimum FRL of either 30/30/30 or -/30/30. Provided there is a minimum setback distance of 10 m between the edge of the classified vegetation and the boundary wall system, the use of Eboard™ Fire Rated Boundary Wall System is deemed suitable for BAL-FZ construction and compliant with the requirements of AS 3959:2018. ***Source:*** *Fyrlink; Project No. FYR24002-A-08 V1.1; Product Review Report on bushfire attack level (BAL) of various CBMA wall systems dated 05/05/2025*

A4 Manufacturer and manufacturing plant(s)

This field is optional. Contact the Certificate Holder for details.

A5 Installation requirements

Installation of Eboard™ Fire Rated Boundary Wall System must be in accordance with Eboard™ Fire Rated Boundary Wall Installation Guide Version 2.0.

A6 Other relevant technical data

Asbestos	Testing conducted by Sharp and Howells Pty Ltd to identify the presence of asbestos - No asbestos was detected in the Magnesium Board – 10mm Eboard™. ***Source:*** *Sharp and Howell, Test Report 24-0573C dated 01/10/2024.*

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

1. Fire Safety Provisions A5G3(1)(d)&(e). Reports from Accredited Testing Laboratories and a professional engineer.
2. Structural Resistance Provisions A5G3(1)(e). Reports from a professional engineer.
3. Weatherproofing and Damp Rising Provisions A5G3(1)(d)&(e). Reports from Accredited Testing Laboratories and a professional engineer.

B2 Reports

1. Dobbs Doherty Pty Ltd t/a DDEG (Solutions); Project No: 213369-S; CBMA - Eboard Product Evaluation; Date 16/04/2025. Report provides evidence for compliance with B1P1(2)(a)&(c), F3P1, H1P1(2)(a)&(c), H2P2 and H2P3.
2. Resolute Testing Laboratories Pty Ltd; NATA Accreditation No. 20089; Assessment Report – Fire: Eboard boundary wall system in accordance with AS 1530.4:2014; Dated 29/01/2025. Report confirms FRLs of the system for compliance with C2D2 and H3D3.
3. Warringtonfire Australia Pty Ltd; Nata Accreditation No. 3277; Report No. FRT240242 R1.0; Fire resistance test of a loadbearing wall system in accordance with sections 2 and 3 of AS 1530.4:2014; Dated 15/10/2024. Report has been referenced in the Resolute Testing Laboratories Assessment for FRLs for compliance with C2D2 and H3D3.
4. Ignis Labs Pty Ltd; NATA Accreditation No. 20534; Testing in accordance with AS1530.1:1994 for Firezone / Zerobound / Eboard; Dated 06/08/2024. Report provides evidence for compliance with H3D2 and C2D10.
5. Fyrlink; Project No. FYR24002-A-08 V1.1; Product Review Report on bushfire attack level (BAL) of various CBMA wall systems; Dated 05/05/2025. Report provides compliance with G5D3 and H7D4(2)(a).

The Certificate Holder has chosen not to make the above evidence of compliance publicly available, due to the documents being considered commercial in confidence.